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The Society will publish in *Plateau* papers resulting from original research on subjects relating to the plateau of northern Arizona. Manuscripts must be typewritten, double-spaced, and should not exceed 3000 words. Illustrations ordered at the time the galley proof is submitted. of the issue in which the article appears; additional copies supplied at cost if must be in shape for publication. Each contributor will receive 10 free copies

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Recent Publications

Statement of Ownership of Plateau

PLATEAU

Northern Arizona Society of Science & Art, Inc. Is Preston Mesa a Laccolith? Rodents of the Hopi region, in relation to Hopi farming Its History and Status in 1970 The MNA Ceramic Repository National Monument Prehistoric Settlement in the Grand Canyon Father Porras at Awatovi and the Flying Nun Northeast Arizona Large Nivation Hollows in the Chuska Mountains, Middle Verde Reservations A Brief Economic History of the Camp and CRATER 160 RENAMED FOR DR. HAROLD S. COLTON MARY-RUSSELL FERRELL COLTON, 1889-1971 VOLUME Tax Exempt Certificate William J. Breed Maitland Bradfield Kathleen E. Gratz Richard A. Thompson Alfred F. Whiting John W. Blagbrough Clyde P. Morris 44 Contents FALL 1971 NUMBER 2 82 83 78 75 72 67 60 43 52 39 41

spondence dating from 1927. Many of these sources cannot be found elsewhere, a fact which underlines the Repository's historical worth names) acquired from notes, abstracts, manuscripts, and corretype description categories (including temporary and variety

for various Southwestern Indian Tribes. orated and plain wares, featuring primarily the Kayenta, Puerco, vessels are in repository status for the National Park Service and and Sinagua areas of northern and eastern Arizona. Many of these collection of whole and restored ceramic vessels representing dec Also held under the aegis of the Ceramic Repository is a large

from other institutions and individuals. institutions through a short-term or permanent loan arrangement analysis, display, or research purposes may be requested only by type specimens from a special collection of pottery designated In addition, the Repository continually solicits identified potsherds Selected type specimens for comparison, identification, physical lected to be a specimen representative of its respective type. for institutional loan. Each sherd placed on loan is carefully se-An important province of the Repository is the loaning of pottery

worker, as they provide information concerning the potential firing son. The clay experiments are especially important to the fieldproperties of clays in his area. laboratory. Here they too are available for research and comparisamples, catalogues the resultant "slugs," and stores them in the bottled samples. The Repository fires portions of each of these taken from areas in the Southwest, of which there are now 106 Repository has broadened its scope to include identified clays To further benefit students of ceramic studies, the Ceramic

Southwestern pottery. tists and to persons interested in the many and varied aspects of Museum's Anthropology department, is open to all qualified scien-The Ceramic Repository, as a functioning institution of the

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1952 Pottery Types of the Arizona Strip and Adjacent Areas in Utah and Nevada. Museum of Northern Arizona Ceramic Series No. 1.

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in relation to Hopi farming Rodents of the Hopi region,

MAITLAND BRADFIELD Yarnton, England

Abstract. Ten rodents occurring in the vicinity of Hopi fields and villages are described, and their Hopi names given.

grown by the latter. The ten rodents, with their Hopi names, are: greater or lesser degree, symbiotic with the Hopi on the crops top adjoining them. Specimens of all ten were obtained by A. K. vicinity of their fields and villages, and on the rocks and mesa to August 3, 1894. The majority of these small mammals are, in Fisher (1896:174) on his 17-day visit to Keams Canyon, July 17 THE HOPI RECOGNIZE ten rodents as occurring in the immediate

Thomomys bottae, Pocket Gopher.... Body length 5", slender "rat" tail 11/2": dark brown-gray head

and back, brownish streaking on the flanks.

stalk and eats the kernels, leaving the empty cob. He eats any down by the roots, and when the corn is ripe, he climbs up the thing, including beans. Hopi farmer, he digs under the growing corn plant and pulls it main valley floor. This animal is one of the worst enemies of the Milyi lives in holes in the sand, down near the fields on the

Onychomys leucogaster, Northern Grasshopper Mouse.....ho' o 'la Body length 41/2", "rat" tail 11/2": fine grayish head, back and

flanks, with whitish underparts.

just as they are about to grow; but beans he leaves alone. He digs up the young plants, especially of corn and watermelon, Ho'o" 'la, also, lives down in the valley, in and around the fields.

Dipodomys ordii, Kangaroo Rat..... Body length 44", long tail with terminal wisp, 5": brown-yellow

head and back, pure white underparts.

corn, like mü 'yi; but beans he leaves alone. like ho' oo'la, he may dig up the young plants, and he eats the ripe in holes in the ground. He eats the seeds when they are planted; Pe* 'hu, also, lives down near the fields on the main valley floor,

Cynomys gunnisoni, Prairie Dog.... Body length 10", tail 2": yellow-brown in color, like sand

watermelon seeds, as well as ripe corn and watermelons. where there is no danger of flooding. He eats seeds, especially but only on the flats to the south and west of the Hopi villages, This large rodent lives in "towns," often sited near the fields

Citellus variegatus, Rock Squirrel..... ..laka• 'na

Body length 11", with bushy tail 9": mottled grayish head, back

steal the ripe corn. the fruit, he may, also, go down to fields at the mesa foot and often goes down to the peach orchards, climbs the trees and takes This large rodent lives in the rocks on the mesa slopes. But he

along the flank. Citellus lecurus, Cinnamon Ground Squirrel.... flanks, flecked with yellow; identified by the white stripes running Body length 6", with bushy tail 3": grayish head, back and yungyai ya

slopes and on the mesa top. But he sometimes goes down to the where he gets into hen runs, stored corn, etc. fields, where he steals corn and makes holes in the watermelons, leaving the beans alone. He is also common around the villages, This ubiquitous rodent usually lives in the rocks on the mesa

Eutamias dorsalis, Cliff Chipmunk...

..ku• na

Sharp, pointed ears. chestnut striping, yellowish flanks, and light gray Body length 5", with bushy tail 2": head and back grayish with underparts

etc., rarely comes into the village after corn, and never goes down winter. He usually lives on grass seeds (e.g. le hü), piñon nuts, Ku' na lives in the rocks and on the mesa top, hibernates in the

Neotoma lepida, Woodrat or Packrat....

body, large ears, and hairy tail. rat, but distinguished from it by the soft gray fur covering the Body length 7", tail 41/2" to 5": about the size of the common house

however, he goes down to the fields and eats through the top part feeds on juniper berries, piñon nuts and other seeds. Sometimes, Ka. 'la usually lives in the rocks and on the mesa top, where he

> village and steals seeds, stored corn, dried peaches of the plants; and sometimes he gets into store chambers in the

underparts. Peromyscus spp., White-footed Mice. Body length 3" to 31/2", tail 2": gray head, back and flanks, white

in and around the village, gets into store chambers, and eats corn and seeds. in the fields and steal corn; and a po'sa, a different one, that lives Hopi distinguish between a po'sa, field mouse, that lives down

Perognathus apache, Pocket Mouse..... Body length 21/2", tail 3": brownish-yellow head and back, whitehomi• 'chi

underparts. This diminutive mouse lives in the fields, and steals corn

tated the construction of stone-built chambers with efficient doors, west, since their presence there in such numbers early necessiif indirect influence on the form of pueblo building in the Southwithin which the harvested crops might be stored secure from There is no doubt that these rodents have exercised a powerful

ACKNOWLEDGMENTS

The Hopi names for the ten rodents (which tally with those obtained by Fisher on First Mesa seventy-five years ago), together with the notes on their ecology, were furnished by Harry Masai'yamtiwa, of Old Oraibi, in the course of my third visit to the village in the fall of 1969. I am indebted to Steven Carothers, Zoologist at the Research Center, Museum of Northern Arizona, Flagstaff, for providing me with dried specimens of the mammals referred to, for identification in the field.

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